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(FILE 'HOME' ENTERED AT 18:46:24 ON 18 NOV 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:46:49 ON 18 NOV 2002

L1 125 S PER.C6
L2 44 S ADENOVIR? (5A) B (5A) FIBER
L3 2 S L1 AND L2
L4 1 DUP REM L3 (1 DUPLICATE REMOVED)

=> d bib ab 14

L4 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
AN 2001163834 MEDLINE
DN 21161183 PubMed ID: 11263771
TI Infection efficiency of type 5 adenoviral vectors in synovial tissue can be enhanced with a type 16 fiber.
AU Goossens P H; Havenga M J; Pieterman E; Lemckert A A; Breedveld F C; Bout A; Huizinga T W
CS Leiden University Medical Center, The Netherlands.
SO ARTHRITIS AND RHEUMATISM, (2001 Mar) 44 (3) 570-7.
Journal code: 0370605. ISSN: 0004-3591.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 200105
ED Entered STN: 20010517
Last Updated on STN: 20010517
Entered Medline: 20010503
AB OBJECTIVE: To obtain an adenoviral vector with increased infection efficiency in the synovial tissue compared with conventional vectors based on adenovirus serotype 5 (Ad5), without compromising the specificity of infection. METHODS: Coxsackie adenovirus receptor (CAR) expression was assessed in cultured synoviocytes. Chimeric adenoviruses based on Ad5 but carrying the DNA encoding the **fiber** of **adenovirus** from subgroup **B** (Ad11, 16, 35) or **D** (Ad24, 28, 33, 45, or 47) were constructed and produced on **PER.C6** cells. The gene transfer efficiency of these chimera was tested on cultured synoviocytes and peripheral blood mononuclear cells (PBMC). RESULTS: No surface expression of CAR protein was observed on synoviocytes. CAR messenger RNA expression of synoviocytes was found to be low. Of all fiber chimeric vectors tested, vectors carrying the fiber of Ad16 (Ad5.fib16) were most potent, yielding approximately 150 times increased transgene expression in cultured synoviocytes compared with those of Ad5. Flow cytometry showed that the increase in transgene expression was caused by the transduction of higher percentages of synoviocytes and higher gene expression per synoviocyte. Experiments with 500 virus particles/cell of Ad5.GFP or Ad5.fib16.GFP resulted in an infection efficiency of 0.6% and 1% in PBMC and 43% and 76% in synoviocytes, respectively. CONCLUSION: Synoviocytes hardly express CAR, which hampers Ad5-mediated gene transfer. Ad5.fib16 is superior to Ad5 vectors for transducing synoviocytes, without compromising the specificity of infection. Our data suggest that Ad5.fib16-mediated gene transfer to synovial tissue improves the therapeutic window.

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(FILE 'HOME' ENTERED AT 18:53:55 ON 18 NOV 2002)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 18:54:08 ON 18 NOV 2002

L1 125 S PER.C6
L2 9417 S ADENVORIOUS OR ADENOVIRAL(W)VECTOR
L3 30 S L1 AND L2
L4 23 DUP REM L3 (7 DUPLICATES REMOVED)

=> d au ti so 1-23 14

L4 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2002 ACS
IN Havenga, Menzo; Vogels, Ronald; Bout, Abraham
TI **Adenoviral vector** to deliver and express vaccine
antigen on antigen presenting cells
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2

L4 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2002 ACS
IN Emini, Emilio A.; Youil, Rima; Bett, Andrew J.; Chen, Ling; Kaslow, David
C.; Shiver, John W.; Toner, Timothy J.; Casimiro, Daniel R.
TI Adenovirus vectors expressing gag, pol, and nef fusion proteins for use as
HIV-1 vaccine
SO PCT Int. Appl., 257 pp.
CODEN: PIXXD2

L4 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2002 ACS
IN Lusky, Monika; Winter, Arend Jan
TI Chimeric human **adenoviral vector** with bovine
adenovirus encapsidation signal useful in gene therapy and immunotherapy
SO U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 463,486.
CODEN: USXXCO

L4 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2002 ACS
IN Vogels, Ronald; Bout, Abraham; Van Es, Helmuth; Schouten, Govert
TI Nucleic acid libraries in adenoviral-derived gene expression vectors and
their use for high throughput screening and functional genomics
SO U.S., 111 pp., Cont.-in-part of U.S. Ser. No. 97,239, abandoned.
CODEN: USXXAM

L4 ANSWER 5 OF 23 MEDLINE DUPLICATE 1
AU Murakami Pete; Pungor Erno; Files Jim; Do Linh; Van Rijnsoever Richard;
Vogels Ronald; Bout Abraham; McCaman Michael
TI A single short stretch of homology between **adenoviral
vector** and packaging cell line can give rise to cytopathic
effect-inducing, helper-dependent e1-positive particles.
SO HUMAN GENE THERAPY, (2002 May 20) 13 (8) 909-20.
Journal code: 9008950. ISSN: 1043-0342.

L4 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2002 ACS
AU Nichols, W. W.; Lardenoije, R.; Ledwith, B. J.; Brouwer, K.; Manam, S.;
Vogels, R.; Kaslow, D.; Zuidgeest, D.; Bett, A. J.; Chen, L.; van der
Kaaden, M.; Galloway, S. M.; Hill, R. B.; Machotka, S. V.; Anderson, C.
A.; Lewis, J.; Martinez, D.; Lebron, J.; Russo, C.; Valerio, D.; Bout, A.
TI Propagation of **adenoviral vectors**: use of **PER
.C6** cells
SO Adenoviral Vectors for Gene Therapy (2002), 129-166. Editor(s): Curiel,
David T.; Douglas, Joanne T. Publisher: Academic Press, San Diego, Calif.
CODEN: 69CWWV; ISBN: 0-12-199504-6

L4 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2002 ACS

IN Van Eijs, Guillaume Johannes Jozef Marie; Hateboer, Guus; Havenga, Menzo Jans Emko
 TI Vascular and/or visceral contractile smooth muscle cell-specific promoter and uses thereof in gene therapy
 SO PCT Int. Appl., 60 pp.
 CODEN: PIXXD2

L4 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Bout, Abraham; Valerio, Domenico; Schouten, Govert Johan; Fallaux, Frits Jacobus; Hoeben, Robert Cornelis; Van der Eb, Alex Jan
 TI E2A-complementing cells lines for **adenoviral vectors** used for nucleic acid transfer
 SO PCT Int. Appl., 61 pp.
 CODEN: PIXXD2

L4 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Chen, Ling; Shiver, John; Bett, Andrew J.; Casimiro, Danilo Riguera; Caulfield, Michael J.; Chastain, Michael A.; Emini, Emilio A.
 TI Adenovirus vector containing human immunodeficiency virus (HIV) gene gag, and its use as a vaccine
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2

L4 ANSWER 10 OF 23 MEDLINE DUPLICATE 2
 AU Goossens P H; Havenga M J; Pieterman E; Lemckert A A; Breedveld F C; Bout A; Huizinga T W
 TI Infection efficiency of type 5 **adenoviral vectors** in synovial tissue can be enhanced with a type 16 fiber.
 SO ARTHRITIS AND RHEUMATISM, (2001 Mar) 44 (3) 570-7.
 Journal code: 0370605. ISSN: 0004-3591.

L4 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AU Hanff, C.; Fuhr, B.; Johnson, T.; Caple, M.
 TI Medium for gene therapy: improved protein-free media for growth and production of viral vectors for use in gene therapy
 SO Animal Cell Technology: From Target to Market, Proceedings of the ESACT Meeting, 17th, Tyloesand, Sweden, June 10-14, 2001 (2001), 548-552.
 Editor(s): Lindner-Olsson, Elisabeth; Chatzissavidou, Nathalie; Luellau, Elke. Publisher: Kluwer Academic Publishers, Dordrecht, Neth.
 CODEN: 69CRYK; ISBN: 1-4020-0264-5

L4 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Havenga, Menzo Jans Emco; Bout, Abraham; Vogels, Ronald
 TI Chimeric **adenoviral vectors** specific for gene transfer to smooth muscle cells, and/or endothelial cells
 SO PCT Int. Appl., 91 pp.
 CODEN: PIXXD2

L4 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Bout, Abraham; Vogels, Ronald; Havenga, Menzo Jans Emco
 TI Adenovirus derived gene delivery vehicles with limited antigenicity derived from adenovirus type 35
 SO Eur. Pat. Appl., 135 pp.
 CODEN: EPXXDW

L4 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Schouten, Govert; Vogels, Ronald; Bout, Abraham; Van Es, Helmuth
 TI High-throughput screening of gene function using libraries constructed with recombinant **adenoviral vectors** for functional genomics applications
 SO PCT Int. Appl., 223 pp.
 CODEN: PIXXD2

L4 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2002 ACS

IN Noteborn, Mathieu Hubertus Maria; Pietersen, Alexandra; Hoeben, Robert Cornelis
 TI Gene delivery vehicles expressing the apoptosis-inducing proteins VP2 and/or apoptin from chicken anemia virus for treatment and diagnosis of cancer
 SO Eur. Pat. Appl., 20 pp.
 CODEN: EPXXDW

L4 ANSWER 16 OF 23 MEDLINE DUPLICATE 3
 AU Fallaux F J; Bout A; van der Velde I; van den Wollenberg D J; Hehir K M; Keegan J; Auger C; Cramer S J; van Ormondt H; van der Eb A J; Valerio D; Hoeben R C
 TI New helper cells and matched early region 1-deleted adenovirus vectors prevent generation of replication-competent adenoviruses.
 SO HUMAN GENE THERAPY, (1998 Sep 1) 9 (13) 1909-17.
 Journal code: 9008950. ISSN: 1043-0342.

L4 ANSWER 17 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU Fallaux, F. J.; De Graaf, M.; Van Der Vliet, P. C.; Voest, E. E.
 TI Safe helper cell lines for the propagation of early-regions 1- and 4-deleted **adenoviral vectors**.
 SO Proceedings of the American Association for Cancer Research Annual Meeting, (March, 1998) Vol. 39, pp. 60-61.
 Meeting Info.: 89th Annual Meeting of the American Association for Cancer Research New Orleans, Louisiana, USA March 28-April 1, 1998 American Association for Cancer Research
 . ISSN: 0197-016X.

L4 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2002 ACS
 AU Bout, A.; Brouwer, K.; Fallaux, F. J.; Hehir, K.; Auger, C.; Keegan, J.; Van Der Velde, I.; Boesen, J. J. B.; Van Ormondt, H.; Van Der Eb, A. J.; Valerio, D.; Hoeben, R. C.
 TI Production of RCA-free batches of E1-deleted recombinant **adenoviral vectors** on **PER.C6**
 SO Nucleic Acids Symposium Series (1998), 38(Advances in Gene Technology: Molecular Biology in the Conquest of Disease), 35-36
 CODEN: NACSD8; ISSN: 0261-3166

L4 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2002 ACS
 IN Fallaux, Frits Jacobus; Hoeben, Robert Cornelis; Bout, Abraham; Valerio, Domenico; Van Der Eb, Alex Jan
 TI Packaging systems and recombinant human adenovirus vectors to be used in gene therapy
 SO PCT Int. Appl., 89 pp.
 CODEN: PIXXD2

L4 ANSWER 20 OF 23 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU Bout A (Reprint); Fallaux F J; Hehir K; Auger C; Keegan J; vanderVelde I; Boesen J J B; vanderEb A J; Hoeben R C; Valerio D
 TI **PER.C6**: A novel packaging cell line for RCA-free production of E1-deleted recombinant **adenoviral vectors**
 SO CANCER GENE THERAPY, (SEP-OCT 1997) Vol. 4, No. 5, pp. 324-324.
 Publisher: APPLETON & LANGE, 25 VAN ZANT ST, E NORWALK, CT 06855.
 ISSN: 0929-1903.

L4 ANSWER 21 OF 23 SCISEARCH COPYRIGHT 2002 ISI (R)
 AU Boutl A (Reprint); Fallaux F J; Hehir K; Auger C; Keegan J; vanderVelde I; Boesen J J B; vanderEb A J; Hoeben R C; Valerio D
 TI A novel packaging cell line (**PER.C6**) for efficient production of RCA-free batches of E1-deleted recombinant **adenoviral vectors**
 SO CANCER GENE THERAPY, (NOV-DEC 1997) Vol. 4, No. 6, Supp. [S], pp. P73-P73.
 Publisher: APPLETON & LANGE, 25 VAN ZANT ST, E NORWALK, CT 06855.
 ISSN: 0929-1903.

L4 ANSWER 22 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU Boutl, A. (1); Fallaux, F. J.; Hehir, K.; Auger, C.; Keegan, J.; Van Der
 Velde, I.; Boesen, J. J. B. (1); Van Der Eb, A. J.; Hoeben, R. C.;
 Valerio, D. (1)
 TI A novel packaging cell line (**PER.C6**) for efficient
 production of RCA-free batches of E1-deleted recombinant
adenoviral vectors.
 SO Cancer Gene Therapy, (Nov.-Dec., 1997) Vol. 4, No. 6 CONF. SUPPL., pp.
 S32-S33.
 Meeting Info.: Sixth International Conference on Gene Therapy of Cancer
 San Diego, California, USA November 20-22, 1997
 ISSN: 0929-1903.

L4 ANSWER 23 OF 23 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AU Bout, A. (1); Fallaux, F. J.; Van Der Velde, I. (1); Van Der Eb, A. J.;
 Hoeben, R. C.; Valerio, D. (1)
 TI Improved helper cells for RCA-free production of E1-deleted recombinant
 adenovirus vectors.
 SO Cancer Gene Therapy, (1996) Vol. 3, No. 6 CONF. SUPPL., pp. S24.
 Meeting Info.: Fifth International Conference on Gene Therapy of Cancer
 San Diego, California, USA November 14-16, 1996
 ISSN: 0929-1903.

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